,	Approved For Release 2003/08/06 : CIA-RDP82-00457R011800300009-3	
X1 WIFT OF A	CLASSIFICATION CENTRAL INTELLIGENCE AGENCY REPORT NO. CD NO.	25X1A
COUNTRY SUBJECT PLACE ACQUIRED DATE OF INFO.	DATE DISTR. 13 May 1952 DDR Naterial Shortages in the Manufacture of Crankshafts  DO NOT CLOUATE SUPPLEMENT TO REPORT NO.	25X1X
OF THE DESTED STA B. S. C. 31 AND TR. OF ITS CONTENTS IN	TABLES INFORMATION AFFECTING THE MATICALA DEPONSE THE WITHIN THE EMANING OF THE CEPTOMAN ACT BO AS MEMBERS. ITS TRANSMISSION OR THE REVIELATION ANY MARRIES. TO ARE MANUFORTHED PRINCE IN PRO- PRODUCTION OF THIS FORM IS PROMINITIO.	
X1	The following information  to the DDR Hinistry for Smelting and Ore Hining by Ifa VVF Gelenkwellenwerk Thuringen, Stadtilm, Weimarische Str. 56 concerning the 1952 crankshaft production program.  1. The Gelenkwellenwerk Thuringen reports that its production of crankshafts is scheduled to rise in 1952 by 80 percent above the 1951 production level. The production is to be distributed on the following basis:	25X1
	Ifa Werk Horch, Zwickau, Saxony, for three-ton trucks H 3 <sub>2</sub> (key production program),  Ifa Framo-Werke, Hainichen, Saxony, for three-cuarter-ton trucks (partially for export),  Ifa Werk "Phänomen", Zittau, Saxony, for 1.5-ton trucks, models "Granit 27" and "Granit 1500",	
	VVB Lowa, Waggonbau Merdau, Werdau, Saxony, for passenger cars H 6, H 1, G 5 and P 1.  DHZ Maschinen und Fahrzeuge, Berlin, for spare parts to be allocated to the DDR.  2. Materials for the production of these crankshafts have already been made available to the Gelenkwellenwerk Thüringen with the exception of searless, cold-drawn precision steel pipes G 35.51, DIN 2391, with a thickness tolerance of plus or minus 10 percent (Bandstärke). The plant lists its requirements of these pipes as follows:	
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14 tons of 50 by 2.5 mm 95 tons of 70 by 4 mm 17 tons of 70 by 3 mm 7 some of 75 by 2.5 mm 6 tons of 70 by 2.5 mm

It was impossible to procupe theme precision steel pipes from West Germany in 1951 because of the stable extergo and the Geleskwellenwerk Thuringen was forced to use giper of poster quality which were made available from the Tot internal reserves. In addition, shafts from war-time production and used shafts were employed to enable the plant to neet in a production quotes But she factory has been acrised by its central minimistration, Ifa VVB, Chemnitz, and by Ifa/icwa, Berlin, that the DDA internal reserves can no longer provide the desired paper. The plant directors Surther advice the Ministry for Smalting and Cre-Mining that they informed the proper DDR authorities of the seriousness of the situation nearly two years ago without having received in the meantime any tangible results. They point out the difficulty of arousing enthusiasm among the factory workers for fulfillment of the current production plan in view of the lack of material and emphasine the fact that a brackform in the delivery of crank-shafts can cause disturbances in the saddre motor bransport industry of the DDR as well as commomitent nonfulfillment of export agreements. The directors point out that after exhausting all supply possibilities, graduction of brankshafts can continue for approximately four to six yeaks with the materials on hand, after which all production must cons to a standstill.

3. The Gelenkwellenwerk Modringen states that is examining nethods whereby the shortage of steel pipes might be oversome, it has experimented with welded steel pipes. The factory recently received a few meters of welded pipe, DIN 2394, with dimensions of 50 by 1.5 mm, from the VEE Pipe and Rolling Mill; Cherritz. This pipe was subjected to various chemical and physical rests and was found to meet the quality requirements established by the factory. The Gelenkwellerwork Thuringen thereupon impaired of the Chemnitz Rolling Mill as to the possibilities of producing seamless drawn pipe in the larger dimensions required in the manufacture of crankshafts. Answer was received to the effect that while the Chemnitz Pips and Rolling Mill possessed the machinery required to produce the type of steel pipes destred, the manufacture of the larger papes was not possible because the Riesa Rolling Hill is currently producing verm rolloi band steel, necessary in pipe production, up to a maximum visitle of 198 mm. If the Gelenkwellemmerk Thuringen in to use the solded pipes supplied by the Chemnitz mill, the dimensions of the pipes will have to be changed as follows:

5C	$p_{\lambda}$	1.5	mm	<b>*</b>	-60	$_{\rm by}$	15	LIE
50	ρŢ	2.5	mn	P 7	60	$\mathbf{b}\mathbf{y}$	2,0	m.
3C	0.7	3.0	$m_{R}$	\$	75	$\mathbf{b}_{\mathcal{F}}$	2.5	iar.
7C	67	4,0	mm.	:	90	$b_{\mathbb{Z}}$	3.0	2.003
3C	by	6.0	Hill	•	1.20	ોગ્ર	3.0	m

This would necessitate having Riess roll band steel in widons up to approximately 400 am.

4. The Golenkwellenwork Thuringen organity requests the limistry for Emelting and Ore Dining to improved in this quastion of anyphy since all previous efforts to procure the steel pipes through DIA-Metall have been unsuccessful. The directors of the Mactory are of the opinion that there is little hops of procuring the pipes through normal import channels and believe that the shortage must be overcome by internal DEE Past duction.